REV.

AS85049/60

suggestions comments and your written SAE invites or cancelled. revised, be reaffirmed, time it may reviews each technical report at least every five years at which

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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

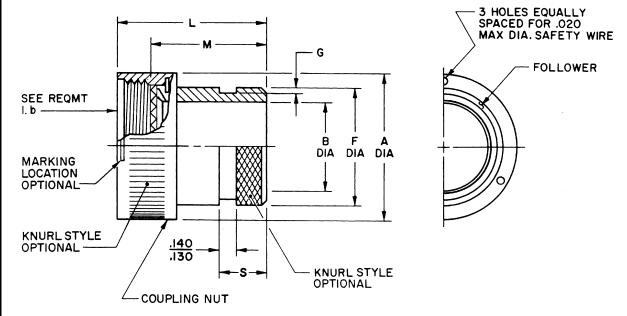


FIGURE 1 - CONFIGURATION AND DIMENSIONS

THIRD ANGLE PROJECTION

CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, ADAPTER, SHRINK BOOT, CATEGORY 5 (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

AS85049/60 SHEET 1 OF 6 REV. A

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REVISED PROPOSED DRAFT 2002-08-23

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(R)

TABLE 1 - DIMENSIONS

Dash No.	MIL-C- 81703	ector Shell S MIL-C-26482 Series 2 & MIL-C-83723 Series III	MIL-C-	A +.000 045 Dia	F +.000 020 Dia	G +.008 000	Max	Max	S ±•031	B Min Dia
-3	3	> <	\searrow	.669	.533	.044	1.187	.832	.406	.250
-8		8	8\$.617	.533	4	4	4	4	.250
-10		10	10S, 10SL	.734	.605					.355
-12	7	12	125,12	.858	.774					.491
-14	12	14	145,14	.984	.838					.565
-16	19	16	165,16	1.112	.963	1				.690
-18	27	18	18	1.218	1.042	.044				.769
-20	37	20	20	1.345	1.217	.069				.894
-22		22	22	1.468	1.355	4	•	1		1.019
-24		24	24	1.593	1.443	1	1.187	.832	•	1.134
-28			28	1.969	1.709	.069	1.511	.994	.406	1.369
-32	\vee		32	2.219	1.919	.086	1	1	.563	1.615
-36			36	2.469	2.169	4			4	1.830
-40		X	40		2.402					2.045
-44			44	2.969		1 1	•		1	2.300
-48			48		2.907	.086	1.511	.994	.563	2.550
-61	61	<u> </u>	> <	1.653	1.529	.069	1.187	.832	.406	1.174

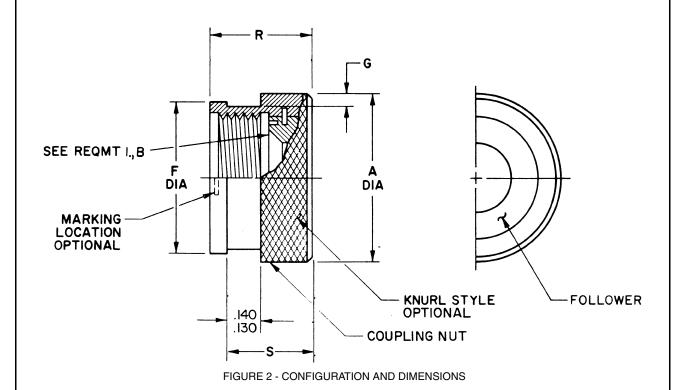
INCH	mm	INCH	mm	INCH	mm	INCH	mm
0.008 0.020 0.031 0.044 0.045 0.062 0.069 0.086 0.125 0.130 0.140 0.250 0.355 0.406 0.491 0.533 0.540 0.563 0.565 0.605	0.20 0.51 0.79 1.12 1.14 1.57 1.75 2.18 3.18 3.30 3.56 6.35 9.02 10.34 12.47 13.54 13.72 14.30 14.35 15.37	0.688 0.690 0.702 0.709 0.743 0.750 0.769 0.774 0.803 0.838 0.838 0.858 0.898 0.998 0.998 0.998	17.48 17.53 17.83 18.01 18.87 19.05 19.53 19.66 20.40 21.08 21.29 21.79 22.71 22.81 23.83 24.46 24.99 25.19 25.88 26.01	1.152 1.174 1.187 1.217 1.218 1.238 1.243 1.287 1.310 1.345 1.355 1.369 1.370 1.436 1.443 1.468 1.511 1.529 1.560 1.593	29.26 29.82 30.14 30.91 30.94 31.45 31.57 32.69 33.27 34.16 34.42 34.77 34.80 36.47 36.65 37.29 38.37 38.84 39.62 40.46	1.709 1.748 1.830 1.919 1.969 2.045 2.062 2.169 2.219 2.300 2.312 2.402 2.469 2.550 2.562 2.657 2.719 2.812 2.907 2.969	43.41 44.40 46.48 48.74 50.01 51.94 52.37 55.09 56.36 58.42 58.72 61.01 62.71 64.77 65.07 67.49 69.06 71.42 73.84 75.41
0.617 0.657 0.669	15.67 16.69 16.99	1.042 1.063 1.112 1.134	26.47 27.00 28.24 28.80	1.615 1.618 1.653 1.686	41.02 41.10 41.99 42.82	3.062 3.219 3.312	77.77 81.76 84.12

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TABLE 2 - DIMENSIONS

	For Connec	tor Shell Size	(Ref)	Α	F	G	R	S
Dash		MIL-C-26482		+.000	+.000	+.008 Max		±.031
No.	MIL-C-	Series 2 &	MIL-C-	045	020	000		
	81703	MIL-C-83723	5015	Dia	Dia			
	Series 3	Series III	Crimp					
	00.700	00.700	3. /p					
-3	3		><	.750	.709	.044	.540	.406
-8		8	88	.688	.657	4	4	4
-10		10	10S,10SL	.803	.774			
-12	7	12	125,12	.938	.898	1		
-14	12	14	145,14	1.063	1.024	.044		
-16	19	16	165,16	1.238	1.152	.069		
-18	27	18	18	1.310	1.243			
-20	37	20	20	1.436	1.370			
-22		22	22	1.560	1.443	•	†	
-24		24	24	1.686	1.618	.069	.540	.406
-28			28	2.062	1.969	.086	.702	.563
-32			32	2.312	2.219		4	1
-36			36	2.562	2.469			
-40		X	40	2.812	2.719			
-44			44	3.062	2.969		1	<u> </u>
-48			48	3.312	3.219	.086	.702	.563
-61	61			1.748	1.653	.069	.540	.406



		AEROSPACE STANDARD	A 005040/00	DEV/	
SAE Aerospace	/D\	CONNECTOR ACCESSORIES, ELECTRICAL, ADAPTER,	AS85049/60	REV.	
An SAE International Group	(R)	SHRINK BOOT, CATEGORY 5 (FOR MIL-C-5015 CRIMP,	SHEET 3 OF 6	Δ	
		MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3, AND		^	
		MII -C-83723 SERIES III CONNECTORS)			

REQUIREMENTS:

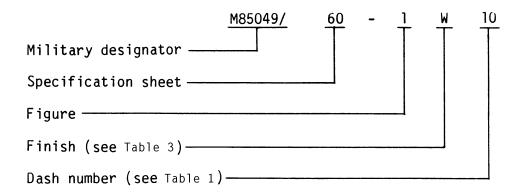
- 1. DESIGN AND CONSTRUCTION:
 - a. DIMENSIONS AND CONFIGURATION: SEE FIGURES 1 AND 2 AND TABLE 1.
 - b. INTERFACE DIMENSIONS SHALL BE IN ACCORDANCE WITH SAE AS85049, FIGURE 4.
 - c. COMPLETE ACCESSORY CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO AND FREE TO ROTATE ON THE FOLLOWER.
 - d. COUPLING THREAD STRENGTH SHALL BE HEAVY DUTY IN ACCORDANCE WITH SAE AS85049.
- 2. MATERIAL AND FINISH: SEE TABLE 3.

TABLE 3 - MATERIAL AND FINISH

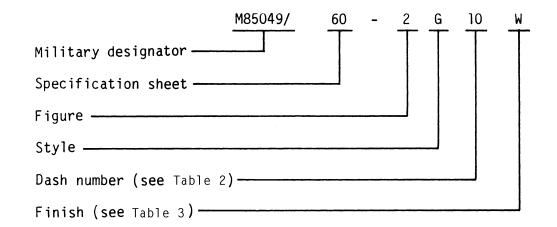
Figure	Material	Finish		
1 & 2	Aluminum alloy in accordance with MIL-C-85049	<u>1</u> / N, A, <u>2</u> / W		

- Not for Navy use. Restricted to Air Force space application only. W finish is not for use in space application.
- 3. QUALIFICATION IS REQUIRED FOR U.S. GOVERNMENT PROCUREMENT. THE QPL EVALUATING ACTIVITY, FOR U.S. DEPARTMENT OF DEFENSE PROCUREMENT PURPOSES, NAVAL AIR SYSTEMS COMMAND (CODE 4.4.4.3), 48142 SHAW ROAD, BLDG. 3197, SUITE E, PATUXENT RIVER, MD 20670.
- 4. APPLICATION: USED TO ADAPT MS3109 AND MS3117 SHRINK BOOTS.
- 5. PART NUMBER:

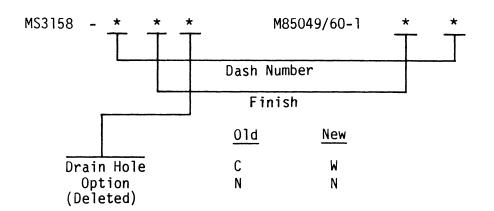
FOR FIGURE 1, SEE EXAMPLE BELOW:

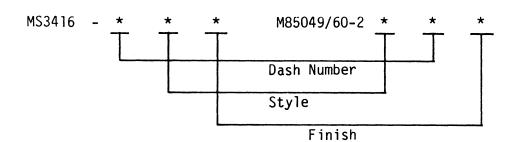


FOR FIGURE 2, SEE EXAMPLE BELOW:



6. SUPERSESSION DATA:



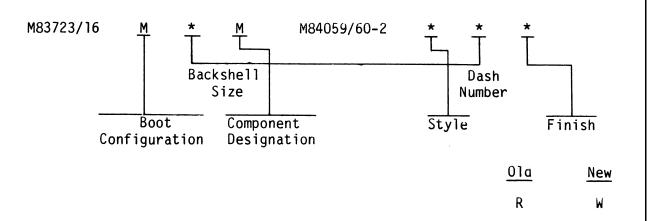


<u>01d</u>	New		
Α	W		
С	W		
G	Α		
N	N		

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AS85049/60



NOTES:

- DIMENSIONS ARE IN INCHES.
- 2. METRIC EQUIVALENTS ARE BASED UPON 1.00 INCH = 25.4 MM AND SHALL BE IN ACCORDANCE WITH ASTM E380, PARAGRAPH 4.5, METHOD A AND ASTM E29, ROUNDING-OFF METHOD.
- 3. DIMENSIONS APPLY AFTER PLATING.
- 4. THE CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.